

ABSTRACT

An animation wireframe is modified with three-dimensional (3D) range and color data having a corresponding shape surface. The animation wireframe is vertically scaled based on distances between consecutive features within the 3D range and color data and corresponding distances within the generic animation wireframe. For each animation wireframe point, the location of the animation wireframe point is adjusted to coincide with a point on the shape surface. The shape surface point lies along a scaling line connecting the animation wireframe point, the shape surface point and an origin point. The scaling line is within a horizontal plane.